

19991118.qrp v01_n643.qrl.991118

Date: Thu, 18 Nov 1999 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1643

QRP-L Digest 1643

Topics covered in this issue include:

- 1) [56222] Iowa CW Net
by Mark Milburn <markmilburn@netzero.net>
- 2) [56223] March Paddles?
by Jim Lowman <jmlowman@ix.netcom.com>
- 3) [56224] Re: Favorite PLL Chips...
by "John J. McDonough" <jjmcd@tm.net>
- 4) [56225] Posting on copper tape and cardboard???
by "D.K. Philbin" <dphilbin@thegrid.net>
- 5) [56226] SSB QRM QRQ
by Monte Stark <ku7y@dri.edu>
- 6) [56227] WTD: Rainbow Tuner Enclosure
by Casey Ray <clray@usc.edu>
- 7) [56228] For Sale: Ten Tec Argosy (Model 525)
by "Michael A. Newell" <wb4huc@texas.net>
- 8) [56229] Re: Favorite PLL Chips...
by Chris Trask <ctrask@primenet.com>
- 9) [56230] Re: Solar update & Leonids (fwd)
by alan.kaul@worldnet.att.net
- 10) [56231] FS
by "William Penhallegon" <w4stx@gte.net>
- 11) [56232] Re: Series or parallel tank circuits
by "Paul Harden, NA5N" <na5n@rt66.com>
- 12) [56233] HB: Request
by Wa3ptg@aol.com
- 13) [56234] KC0AYG Fox Log 11-17-99
by "Matthew Balvanz" <kc0ayg@hotmail.com>
- 14) [56235] ar net..
by sergio <sruiz@bright.net>
- 15) [56236] FOX ??
by "Alan Fryer" <n3bj@hotmail.com>
- 16) [56237] Re: Series or parallel tank circuits
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 17) [56238] Re: SSB QRM QRQ
by "Nick Kennedy" <nkennedy@cswnet.com>
- 18) [56239] Re: Request
by "Nick Kennedy" <nkennedy@cswnet.com>
- 19) [56240] Leonids and Activity

- by "John A. Evans - N0HJ" <jaevans@codenet.net>
- 20) [56241] That sly, sly FOX , N5TW
by "Thom Durfee" <wi8w@arrl.net>
- 21) [56242] Re: March Paddles?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 22) [56243] Power output on Ten Tec 515
by "Thom Durfee" <wi8w@arrl.net>
- 23) [56244] Re: That sly, sly FOX , N5TW
by Brian Murrey <brian@iquest.net>
- 24) [56245] March magnetic paddle
by WCulbertsn@aol.com
- 25) [56246] Re: That sly, sly FOX , N5TW ::darn::
by BenNW7DX@aol.com
- 26) [56247] Re: Leonids and Activity
by Dave Sjolin <sjolin@swbell.net>
- 27) [56248] FS- MFJ-9020 QRP xcvr 20 mtrs \$125ppd
by RLucch2098@aol.com
- 28) [56249] Re: Power output on Ten Tec 515
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 29) [56250] Re: Leonids and Activity
by "Paul Harden, NA5N" <na5n@rt66.com>
- 30) [56251] Re: WTB: Screwdriver Ant
by DYARNES@aol.com
- 31) [56252] Shielded Twinlead received....OM need your email address again
by WB9MII@aol.com
- 32) [56253] Re: March Paddles?
by igeq100@iupui.edu
- 33) [56254] URL Change
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 34) [56255] TT2 Photo Gallery Grows! Two More Added!
by "ElectronicsUSA.com" <wpc@west.net>
- 35) [56256] Re: Leonids and Activity
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 36) [56257] FOX
by "Alan Fryer" <n3bj@hotmail.com>
- 37) [56258] Oscillator Design Articles from HamRadio Magazine
by "muleskiner" <muleskiner@gateway.net>
- 38) [56259] Re: Favorite PLL Chips...
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [56260] Re: Request
by "Charlie Fitts" <cfitts@neca.com>
- 40) [56261] Re: Shielded Twinlead received....pls disregard previous post
by WB9MII@aol.com
- 41) [56262] Admin: Re: <owner-qrp-1@Lehigh.EDU>
by Rod J Johnson <ka7you@juno.com>
- 42) [56263] N/T+ FOX log: 2200 17 OCT 99 - 2300 17 OCT 99 UTC
by DNT1@daimlerchrysler.com
- 43) [56264] Antenna Tuner Buy or Swap

by "Tim Cook" <timcook@erinet.com>
44) [56265] Re: That sly, sly FOX , N5TW
by "Sly (9M8SL)" <cqsly@tm.net.my>
45) [56266] RE: March Paddles
by "Mike D." <hrg@megsinet.net>
46) [56267] RE: Power output on Ten Tec 515
by "ai2q" <ai2q@ispchannel.com>
47) [56268] XMTR: Fix for Tuna Tin 2's chirp and TT2 power boost
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
48) [56269] did anyone hear me?
by sergio <sruiz@bright.net>
49) [56270] Elmer 100: Continous Ham Radio Education (rather long)
by "Donny" <dsirait@centrin.net.id>
50) [56271] Partial Happy Dance
by GUARDM@aol.com
51) [56272] Re: SSB QRM QRQ
by JFStrain@aol.com
52) [56273] FOX: W8RU Final Log
by Ron Majewski <majewski@erim-int.com>
53) [56274] Re: Elmer 100: Continous Ham Radio Education (rather long)
by Bruce Kizerian <kizerian@ced.utah.edu>
54) [56275] QRQ, QRS, QRR?
by Ed Loranger <we6w@qsl.net>
55) [56276] TRADE: Sierra / KC2 for bare-Sierra or Sierra/KC1
by Allan G Taylor <k7gt@arrl.net>
56) [56277] Re: Partial Happy Dance
by "Francis Callahan" <colcal@srv.net>
57) [56278] Re: Series or parallel tank circuits
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
58) [56279] Re: Elmer 100
by "Norman A. Jackson" <nvj@megalink.net>
59) [56280] Re: Leonids and Activity
by "Alyn Backe" <ve6bpr@cnnnet.com>
60) [56281] AR QRP 40m Net Results
by Robsparks@aol.com
61) [56282] Upper Bands are a Hoppin'!!!
by "Rod Cerkoney" <rlw@frii.com>
62) [56283] FS/TRADE: annunciator
by James Skalski <jskalski@localnet.com>
63) [56284] ELMER101: come on in, the water's fine
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
64) [56285] Re: Leonids and Activity
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
65) [56286] Re: QRQ, QRS, QRR?
by "George T. Baker" <w5yr@swbell.net>
66) [56287] Re: Leonids and Activity
by Bruce Hopkins - KL7H <kl7h@arrl.net>
67) [56288] FOX: Preliminary log for N5TW

by "Tom Whiteside" <n5tw@igg-tx.net>
68) [56289] Info on The CTHA?
by "Benjamin F. Poinsett" <benmail@erols.com>
69) [56290] OPERATING: The Atomic Clock of woe (long)
by Chris Cartwright Sr <ccart@phideaux.com>
70) [56291] Coax question
by david.sarraf@thermacore.com

Date: Wed, 17 Nov 1999 16:09:13 -0600
From: Mark Milburn <markmilburn@netzero.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [56222] Iowa CW Net
Message-ID: <38332788.2A126B3A@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's probably not likely that many of you need Iowa on 40 meters, but just in case ...
the Iowa CW net will be on or around 7.110 tonight at 7 PM Central Time. We would love to have you join us, and QSLs are to be had for the asking.

NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Wed, 17 Nov 1999 14:18:51 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [56223] March Paddles?
Message-ID: <383329CB.F1E283C0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

A while back, right after Pacificon, I mentioned that Chuck had generously loaned me his March paddles. Now I'm trying to find out more about them. Are they still available?

Can someone fill in the blanks? I'm not sure if Chuck still reads

this list.

Thanks and 72 de Jim - AD6CW

Date: Wed, 17 Nov 1999 17:52:36 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <ctrask@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56224] Re: Favorite PLL Chips...
Message-ID: <004d01bf314e\$73cd2ea0\$010044c0@conor-mac-nessa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Chris Trask <ctrask@primenet.com>

>applications requiring tuning. The Motorola MC145XXX series has a
>few that are very convenient for fixed-frequency oscillators.

Help me understand why I would use a PLL for a fixed frequency oscillator.
Crystal oscillators are pretty darned stable and relatively cheap, and these
packaged oscillators seem tough to beat for price/footprint.

I'm not trying to be contrary, I really don't understand - clearly there's
something, possibly a big something, that I'm missing.

In fact, except for VHF/FM, where operation is channelized, why use a
synthesizer even for a VFO except when you need computer control? Seems
like a good old analog VFO would be a shorter path.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 17 Nov 1999 15:17:00 -0800
From: "D.K. Philbin" <dphilbin@thegrid.net>
To: qrp-l@Lehigh.EDU
Subject: [56225] Posting on copper tape and cardboard???
Message-ID: <3.0.5.32.19991117151700.0080d540@mail.thegrid.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Fellow experimenters;

Recently there was a post about a web site that describes using copper foil tape and cardboard for building circuits.

I lost the post (don't ask how..it wasn't pretty) and I hope that someone on the list can provide the URL.

Many thanks,

D.K. Philbin
KD6TK

Date: Wed, 17 Nov 1999 15:27:10 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [56226] SSB QRM QRQ
Message-ID: <Pine.GSO.4.10.9911171521210.20586-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Just a reminder that this weekend is the ARRL SS SSB contest.
Good time to play with CW! :-)

I get so darn mad at that SSB Contest stuff....those folks all talk way too fast for me. I can't understand what the heck they are saying!

If they were to slow down they should be able to get more people to understand what the heck they are saying and thus work more stations. Guess they will never learn.....

They should ban talking on the radio. Or at least remove any questions that have to do with talking. After all, if I'm not going to talk on the radio, why should I have to waste my time getting so frustrated trying to understand that junk?

It ain't fair I tell ya', it just ain't fair!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Wed, 17 Nov 1999 15:28:30 -0800
From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56227] WTD: Rainbow Tuner Enclosure
Message-ID: <38333A1E.3322DA15@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you have a Doug Hauff, KE6RIE manufactured Rainbow Tuner Enclosure that you are currently not using, or possibly both an unbuilt Rainbow Tuner and Enclosure, would you please contact me directly if you would like to sell.

Thanks for the bandwidth.

72 de Casey
AD6DI
clray@usc.edu

Date: Wed, 17 Nov 1999 17:57:52 -0600
From: "Michael A. Newell" <wb4huc@texas.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56228] For Sale: Ten Tec Argosy (Model 525)
Message-ID: <38334100.8F77357C@texas.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have for sale a Ten Tec Argosy, Model 525
(analog tuning indicator).

This radio contains a cw crystal filter and
audio filter with the wide/narrow positions.

I'm also including a hand-held microphone and
the matching Model 225 power supply.

The radio looks pretty good, and works great.

I'm asking \$400 and I'll pay shipping for all items.

73,

--

Michael A. Newell - WB4HUC
Austin, TX
QRP-L 1668
FISTS 6745
<http://wb4huc.home.texas.net/>

Date: Wed, 17 Nov 1999 16:58:17 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "John J. McDonough" <wb8rcr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56229] Re: Favorite PLL Chips...
Message-ID: <Pine.BSI.3.96.991117165550.26594B-1000000@usr09.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 17 Nov 1999, John J. McDonough wrote:

> -----Original Message-----
> From: Chris Trask <ctrask@primenet.com>
>
> >applications requiring tuning. The Motorola MC145XXX series has a
> >few that are very convenient for fixed-frequency oscillators.
>
> Help me understand why I would use a PLL for a fixed frequency oscillator.
> Crystal oscillators are pretty darned stable and relatively cheap, and these
> packaged oscillators seem tough to beat for price/footprint.
>
> I'm not trying to be contrary, I really don't understand - clearly there's
> something, possibly a big something, that I'm missing.
>

Simply because you can't go out and readily buy a crystal for just any frequency. Mostly, you are stuck using "stock" crystals, and it's a lot cheaper to run a fixed oscillator in a multi-conversion receiver from a single low-noise, temperature-stabilized crystal oscillator than it is to purchase a multitude of them. You use the single high-quality crystal oscillator as a reference for the other oscillators in the system.

Chris

1) If you have VHF/UHF gear, point your antenna to the East (the Leonids are named because they were thought to come from the constellation Leo, which will be in the Eastern Sky at dark) and listen for short signal bursts on 6m, 2m and 430mHz. 2xORP Meteor bounce!

2) If you don't have UHF/VHF gear, but you do have an outside antenna available either for FM Radio (88MHz-108MHz) or for VHF TV (channels 2-6, 7-13), attempt to put either FM Radio or TV on an unused frequency, point antenna towards the East and see if you can hear short signal bursts.

3) If you are really interested, there is Meteor Detection free-ware available on http://membres.tripod.fr/meteor_astro_elec/us/ and a schematic for a simple analog-to-digital converter which will enable your computer to count the meteor bursts over your QTH. Low tech is OK -- a 286 works fine and you don;t need a soundcard!

4) The site is in France so the apparent misspellings are not misspellings!

5) There are also samples of what meteor-burst-propagation sounds like on the internet.

6) As I write this, 2255GMT on the 17th, the peak has not hit yet so there is still a chance that Leonids are coming to a sky near you, SOON!

7) If you aren't ready to work Leonids using QRP VHF/UHF, and don't want to listen for the shower on FM radio or TV, there is always the internet -- and NASA, and others will have plenty of video online. A good starting spot would be http://science.nasa.gov/newhome/headlines/ast18nov98_1.htm and another would be <http://www.imo.net/links.html>

8) Good luck listen for me: w6rcl in DM04!

--

Alan Kaul W6RCL, LaCanada, CA (not too far from JPL)
e-mail: w6rcl@amsat.org

> For this Leonids, it is ESTIMATED the peak activity will occur on
> November 18 between 0200-0400 UTC. Since the best display is where the
> earth goes through the debris between midnight and local sunrise, this
> indicated the best displays will be along Europe and Africa. But, this
> is not exact science, as we could encounter the debris field earlier or
> later than expected, and where we go through it could be narrower or
> wider than expected.

>

> Since last night was a dud, means we haven't gone through the debris
> field yet. So it *will* be sometime tonight. If we hit it when
> predicted (02-04Z), then that will be early evening on the east coast
> of the US, a shortly after sundown farther to the west. If it persists
> for 6-8 hours, then it *could* produce a nice meteor shower for much of
> the evening.
> >
> If nothing else, listen to a distant FM station and see if you notice
> the signal strength suddenly improving for 10-20 seconds now and again.
> If so, meteorites are entering and causing brief periods of ionizations
> (meteor scatter propagation ... and effect around 50MHz and above).
>
> 72, Paul NA5N
>
>

Date: Wed, 17 Nov 1999 19:28:18 -0500
From: "William Penhallegon" <w4stx@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56231] FS
Message-ID: <007001bf315b\$da0af780\$5d73183f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FS, MFJ 9030 QRP transceiver with keyer and filter and MFJ 4114 power pack
with wall transformer. All for \$130 includes US shipping.
Bill Penhallegon W4STX
Clearwater, FL

Date: Wed, 17 Nov 1999 17:41:02 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: tbowman@nbn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56232] Re: Series or parallel tank circuits
Message-ID: <Pine.SUN.4.10.9911171725150.27357-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 17 Nov 1999 tbowman@nbn.net wrote:

> I'm looking at several VFO circuits in preparation for moving a xcvr from
> 40 m to 30 m.
>
> One tank circuit shows an inductor in series with a capacitor.
>
> A second VFO has the capacitor in parallel with the inductor for the tank
> circuit.
>
> Why does one use parallel, the other a series resonant circuit?

Tom,
This is actually a very good question.

A parallel tuned circuit has high impedance at resonance, while a series tuned circuit will see it's minimum impedance at resonance. There are times when you want low impedance at resonance, such as a diplexer circuit, where you want the desired frequency to go right to ground (the low impedance path). In oscillator circuits, a high impedance tank circuit (parallel) is easier to ensure the circuit will oscillate, while a series circuit (lower Z) can fail to oscillate if not biased properly. Although, that is usually not the case in published circuits (that are supposedly tried and true, right?)

Another advantage of series tuned circuits is you can often get a larger tuning range for the same value of variable capacitance. Thus, if you are using a varicap, for example, which tends to have smaller capacitance changes over variable capacitors, series circuits are preferred since you do get a slightly larger tuning range. Yet another advantage is the stray capacitances in a series tuned circuit tends to be less and more predictable. In a parallel tuned circuit, stray capacitance due to the windings of the coil ADDS to the total capacitance that determines the resonant frequency. And the amount of this stray capacitance is often unknown (is it 5pF, 10pF, 20pf?). This same stray capacitance of the coil in the series tuned circuit is more or less cancelled out. The small value will make the series circuit resonant at some very high frequency, due to the parallel L-C frequency, and this small capacitance does not really contribute to the series L-C frequency.

There are also some temperature effects of inductors and capacitors that tends to make the series circuits less "drifty" due to temperature.

However, there are no MAJOR compelling reasons in an oscillator circuit to use one over the other at the lower HF frequencies. Both work equally well and each has its advantages/disadvantages. Personally, I have found my VFO's made with series circuits or a Hartley (tapped coil) oscillator to be more stable over the traditional parallel-tuned colpitts ... but nothing I'm overly emotional about :-)

A good question, for which there are other answers/reasons as well.

72, Paul NA5N

Date: Wed, 17 Nov 1999 19:57:26 EST
From: Wa3ptg@aol.com
To: qrp-l@lehigh.edu
Subject: [56233] HB: Request
Message-ID: <0.ac91b66c.2564a8f6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'm looking for comments about the silver mica caps sold by Dans Small Parts.
Please reply privately. I'll be glad to share a summary of comments with
anyone who asks. Thanks.

WA3PTG
Harry (Hap) Hurst
Wilmington DE

Date: Wed, 17 Nov 1999 19:43:50 -0600
From: "Matthew Balvanz" <kc0ayg@hotmail.com>
To: <qrp-l@lehigh.edu>, <k0evz@arrl.net>
Subject: [56234] KC0AYG Fox Log 11-17-99
Message-ID: <19991118014454.73267.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the delay, I've been quite busy with work lately... :-(Anyway,
had a good time once again, but I was having a tougher time then usual
copying with band conditions the way they are... I do have some holes in
the log this time again, times when I couldn't quite pull something out of
the noise...

			Sent	Recd		
0106	AB8DF	559	559	Ed	MI	1444
0111	AE2T	549	559	Al	NY	1654
0127	KJ4P	559	???	Maynard	GA	975 ??
0132	NV4V	569	549	Pete	KY	1721
0138	K2UD	559	559	Howard	NY	1535

0143	KD5CMN	559	449	Mike	TX	1328
0150	KE0WW	569	579	Mike	MN	250
0155	KE5TC	569	559	Roy	OK	1057
0202	K5ZTY	559	559	Bill	TX	473
0208	N5IB	449	449	Jim	LA	1913
0219	KI0II	559	559	Ron	CO	928
0227	N1TP	549	339	Tom	FL	1317
0234	N3ZSW	539	579	Jim	MD	975
0242	KA7OZO	439	439	Dave	OR	1422

Someone should probably correct me on Dave's number, I have a feeling that it's wrong. Also I didn't get KJ4P's name or QTH and I'm not sure about his number either.

Thanks everyone for showing up! I'll try and send out the QSLs this Friday!

72,
Matthew KC0AYG

Date: Wed, 17 Nov 1999 21:24:17 -0500
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56235] ar net..
Message-ID: <38336351.8800540E@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

i can't seem to find it anywhere.. there is some stuff going on, but it's too fast for me to copy, so i am floundering.. plus, i don't have a freq readout on my rig.. but i am trying really hard...

if i can't find it, and figure out what is going on, can i get some help? can someone just drop me a line if they hear kb8qpt calling cq, but i don't hear you call back? i think i am goofed up over here..

thanks, guys..

--

peace,
sergio
<http://www.bright.net/~sruiz> - "the village buzz"
"quoting other people is really lame and unoriginal..." -sergio

Date: Wed, 17 Nov 1999 18:27:20 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [56236] FOX ??
Message-ID: <19991118022720.48131.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Is the Fox on tonite ?? No copy here...

ALan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 17 Nov 1999 22:12:50 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Paul Harden, NA5N" <na5n@rt66.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56237] Re: Series or parallel tank circuits
Message-ID: <Pine.GS0.4.10.9911172203040.12935-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
>However, there are no MAJOR compelling reasons in an oscillator circuit
>to use one over the other at the lower HF frequencies. Both work equally
>well and each has its advantages/disadvantages. Personally, I have found
>my VFO's made with series circuits or a Hartley (tapped coil) oscillator
>to be more stable over the traditional parallel-tuned colpitts ... but
>nothing I'm overly emotional about :-)
>
>A good question, for which there are other answers/reasons as well.

There are some good reasons why the parallel tuned Colpitts oscillator tends to drift more than the Hartley or the series tuned circuit. One of the major ones is less control of the feedback. The Colpitts can be viewed as a simplification of the Seiler, which tends to differ only in the use of a series capacitor in the FET gate (tube grid) circuit, removing the tank circuit from the DC biasing dynamics of the device. I still have somewhere in the junkbox a version of the Seiler I made--based on an excellent review of oscillator circuits in an old Ham Radio magazine (now gone, unfortunately, so that I cannot cite the issue and pages).

Used an old MPF102 oscillator and a transistor buffer and was very stable.

However, like Paul, I have my own preferences based on what I have had the most success with. In principle, unless we try to cut corners in oscillator design, any of the major circuits can perform well.

If anyone can find that old Ham Radio article (and perhaps Jim Fisk himself wrote it), it would make a good reprint for distribution to those interested in oscillator circuits.

Just another option for the pot.

-73-

LB, W4RNL

Date: Wed, 17 Nov 1999 21:12:15 -0600
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56238] Re: SSB QRM QRQ
Message-ID: <002601bf3172\$b8279da0\$d87154d8@the-great-c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>I get so darn mad at that SSB Contest stuff....those folks
>all talk way too fast for me. I can't understand what the
>heck they are saying!
>

That's a good one, Ron. But seriously, it reminds me of the time I tried to work a DX contest on SSB. I found that I couldn't understand what the non-English speaking Ops were saying--even the phonetics for their calls using phonetic words commonly heard here in the US. I suspect seasoned DX/SSB Ops have grown accustomed to all the different accents and can could instantly understand what I couldn't figure out.

Another (to me) great advantage of CW: No one has an accent.

72,

Nick, WA5BDU

in Arkansas
(can you tell it from my accent?)

Date: Wed, 17 Nov 1999 21:37:43 -0600
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <Wa3ptg@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56239] Re: Request
Message-ID: <006d01bf3176\$59a8cd40\$d87154d8@the-great-c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll reply to the list, cause I can't find the post from the other guy that was a bit shocked that his mica capacitor turned out to be a rectangular. I'll be interested in seeing your poll results, though.

I'm a Dan's addict. But buying from Dan's is an adventure and if you want everything pristine, as it would be from Digi-Key or Newark ... Dan's might not be for you. He sells surplus stuff. Most of it is unused, but some will have clipped leads. If it says "long leads", the part is unused. If it doesn't say, it's probably unused, but you can't be sure.

And mica capacitors ... they come in the old rectangular and in dipped. If it doesn't say specifically it's dipped, it might be rectangular.

I need some FT-37-77's for a wattmeter. Amidon has a good policy, but it's \$5 for standard shipping plus \$2 handling. Dan's has FT-37-77's and his charge is a flat \$4. Plus, when I look through his list I'll always find several other cool things I need. I especially like to stock up on stuff when he has specials, like 100 resistors of some strange size for 69 cents or maybe 300 (or was it 500) 0.22uF monolythic capacitors for just a few bucks. Maybe 100 2N4401's for ??? I forget, but cheap.

Sometimes I look at a part and have to laugh and say, "Oh, man!", but mostly I'm a satisfied customer.

Also, so many surplus parts houses are just selling digital/computer parts. There are few like Dan's that are catering to RF guys and at such bargain rates.

72,

Nick, WA5BDU

-----Original Message-----

From: Wa3ptg@aol.com <Wa3ptg@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, November 17, 1999 8:15 PM
Subject: HB: Request

>I'm looking for comments about the silver mica caps sold by Dans Small
Parts.
> Please reply privately. I'll be glad to share a summary of comments with
>anyone who asks. Thanks.
>
>WA3PTG
>Harry (Hap) Hurst
>Wilmington DE
>

Date: Wed, 17 Nov 1999 20:43:53 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [56240] Leonids and Activity
Message-ID: <383375F8.1C79AB5E@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

The family went out to see what we could see (no bears going over the
mountains) and nada on the showers. We were also hoping to catch the
Northern Lights if there was auroral activity but nada there, too.
Maybe tomorrow night for Aurora. Funny, the last time I saw the aurora,
I was looking towards Aurora from Colorado Springs.

72 - john - n0hj

Date: Wed, 17 Nov 1999 23:08:33 -0500
From: "Thom Durfee" <wi8w@arrl.net>
To: "QRP-L Post" <qrp-1@Lehigh.EDU>
Subject: [56241] That sly, sly FOX , N5TW
Message-ID: <000701bf317a\$950d2120\$65e22fd8@belgarion>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shucky darn....missed the fox. One outa Two ain't bad and battin' .500

Sure didn't help with the HJ0 and the LX callin CQ right on top of him on
SSB

Spent 2 hours gettin' real good at sendin' my own call though.

Thom WI8W

Date: Wed, 17 Nov 1999 23:09:01 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <jmlowman@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [56242] Re: March Paddles?
Message-ID: <003b01bf317a\$ad1d1a40\$5e5c9cd1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim and gang,

Mike March's e-mail address is: lmmarch@visuallink.com

Mike sent me a nice JPG file of his latest keys recently. If you'd like I
will send the JPG to you directly. I'm saving my pennies for one of Mike's
paddles...

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Wed, 17 Nov 1999 23:24:45 -0500
From: "Thom Durfee" <wi8w@arrl.net>
To: "QRP-L Post" <qrp-l@Lehigh.EDU>
Subject: [56243] Power output on Ten Tec 515
Message-ID: <001501bf317c\$d8488400\$65e22fd8@belgarion>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody have an idea on what the proper power output should be on a Ten Tec 515?

I just bought a used 515 and the power measurments are as follows:

80 meters	1.25 watts
40 meters	3.10 watts
20 meters	2.5 watts
15 meters	2.0 watts
10 meters	2.2 watts

Do these sound like normal for this rig?

I owned a 509 back about 22 years ago and I remember it having at least 4 watts on all bands.

I'm thinking about sending this unit to Ten Tec for a overhaul. Your thoughts please.

Thom WI8W

Date: Wed, 17 Nov 1999 23:51:50 -0500
From: Brian Murrey <brian@iquest.net>
To: wi8w@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56244] Re: That sly, sly FOX , N5TW
Message-ID: <383385E6.91C41FF@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thom...you were 579 in Indiana OM!

I heard you, I bagged the furry critter after about 90 mins of frantic calling, tweaking, ducking...etc...

I especially enjoyed the EXTRA KING SIZED LID that was whistling in the mic for 10 solid mintues and during my exchange...kill kill kill....hehehhehe

Thom Durfee wrote:

```
>
> Shucky darn....missed the fox.  One outa Two ain't bad and battin' .500
>
> Sure didn't help with the HJ0 and the LX callin CQ right on top of him on
> SSB
>
> Spent 2 hours gettin' real good at sendin' my own call though.
>
> Thom WI8W
```

--

```
=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====
```

```
Date: Wed, 17 Nov 1999 23:58:36 EST
From: WCulbertsn@aol.com
To: jmlowman@ix.netcom.com, qrp-l@lehigh.edu
Subject: [56245] March magnetic paddle
Message-ID: <0.4fd4c36a.2564e17c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
```

The website for John Michael March W4FJJ can be found at

<http://www.qsl.net/w4fjj.index.html>

I like my R3a paddle.

72, Bill KA9ZBN Springfield IL (EM59et)

```
Date: Thu, 18 Nov 1999 00:04:34 EST
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
```

Subject: [56246] Re: That sly, sly FOX , N5TW ::darn::
Message-ID: <0.b0ad7be.2564e2e2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Unfortunately, in my 1.99 hours of calling, moving, calling, moving, finding patterns, moving, calling, I was unable to get the fox and finally with 1 minute left, he heard me, unfortunately did not get any of my info/call correct and to top that off, we were over time (sorry about that Tom). Oh well, Next week I Will definately BAG that sly K5LN and Brag to Everyone BWAAHHHAAAHHAAHHAAA (sorry)

Anyway, good job to Tom with that snarling pileup... I can't wait to see the results.

73,
Ben - NW7DX - Seattle, WA
DSW-40 @ 2w

Date: Wed, 17 Nov 1999 23:13:04 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: jaevans@codenet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56247] Re: Leonids and Activity
Message-ID: <38338AE0.181B818C@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

John A. Evans - N0HJ wrote:

>
> Greetings,
>
> The family went out to see what we could see (no bears going over the
> mountains) and nada on the showers. We were also hoping to catch the
> Northern Lights if there was auroral activity but nada there, too.
> Maybe tomorrow night for Aurora. Funny, the last time I saw the aurora,
> I was looking towards Aurora from Colorado Springs.

Try Friday for Aurora. Had big flare today.

Leonids was producing 1688 meteors per hour around 0215 utc (over Europe and Africa). Not visible here. At 0345z, the meteor count is down to 16 per hour. Like last year's storm, we were in the wrong place to view it.

VHf ops are not reporting many meteor bursts yet. Maybe at 0900z the rocks may produce some contacts but I dont think I will stay up. :-)

73 de Dave, N0IT

Date: Thu, 18 Nov 1999 00:30:42 EST
From: RLucch2098@aol.com
To: qrp-1@lehigh.edu
Subject: [56248] FS- MFJ-9020 QRP xcvr 20 mtrs \$125ppd
Message-ID: <0.1cca46d5.2564e902@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Fellas;
I have for SALE:
Excellent condition MFJ - 9020 Qrp xcvr for 20 meter, NO OPTIONS, comes with short DC cable, manual and box with out foam inserts. the Dog got 'em.
Price is \$125 ppd Conus!
Thanks es 73....Rich WA2RQY (1961)
RLUCCH2098@aol.com
"Keep those heaters on"

Date: Thu, 18 Nov 1999 00:05:26 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: <wi8w@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56249] Re: Power output on Ten Tec 515
Message-ID: <000f01bf318a\$e964abc0\$c286cfa9@execpc.com>

Sounds low to me, my 515 puts out the full 5 watts on each band. Are you measuring into a dummy load or how did you measure?

72
Jerry N9AW

----- Original Message -----
From: Thom Durfee <wi8w@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, November 17, 1999 10:24 PM
Subject: Power output on Ten Tec 515

> Anybody have an idea on what the proper power output should be on a Ten

Tec

> 515?

>

> I just bought a used 515 and the power measurments are as follows:

>

> 80 meters 1.25 watts

> 40 meters 3.10 watts

> 20 meters 2.5 watts

> 15 meters 2.0 watts

> 10 meters 2.2 watts

>

> Do these sound like normal for this rig?

>

> I owned a 509 back about 22 years ago and I remember it having at least 4
> watts on all bands.

>

> I'm thinking about sending this unit to Ten Tec for a overhaul. Your
> thoughts please.

>

> Thom WI8W

>

Date: Wed, 17 Nov 1999 23:19:25 -0700 (MST)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: "John A. Evans - N0HJ" <jaevans@codenet.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [56250] Re: Leonids and Activity

Message-ID: <Pine.SUN.4.10.9911172315330.28899-1000000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 17 Nov 1999, John A. Evans - N0HJ wrote:

> The family went out to see what we could see (no bears going over the
> mountains) and nada on the showers. We were also hoping to catch the
> Northern Lights if there was auroral activity but nada there, too.

Nada aqui, tambien. Haven't seen a thing in New Mexico. Going outside
in a bit (like around midnite) with a cup of hot chocolate and give it
a serious shot at seeing something. Loosely translated ... until my
hot chocolate runs out and frost bite sets in on the toes!

The highest chance of an aurora will probably be friday-saturday night,
when the particle radiation from todays biggie M7 gets here ... which

could be a fairly direct hit. But an M7 isn't generally big enough to get the aurora too far south below the US/VE border. Shucks.

72, Paul NA5N

Date: Thu, 18 Nov 1999 01:52:32 EST
From: DYARNES@aol.com
To: walexan@ipa.net, qrp-1@lehigh.edu
Subject: [56251] Re: WTB: Screwdriver Ant
Message-ID: <0.270d9e4c.2564fc30@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 11/17/99 12:46:35 PM !!!First Boot!!!, walexan@ipa.net writes:

<< I would also like to have a Screwdriver ANT.
Good Luck.
>>

Gang,

I have one of Don Johnson's mechanically FB but not shinney and bright that I will sell for \$100. I bought it directly from Don at Pacificon last year, but haven't used it. Don checked it out right there when he sold it to me.

Dave W7AQK

Date: Thu, 18 Nov 1999 01:58:20 EST
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [56252] Shielded Twinlead received....OM need your email address again
Message-ID: <0.b6af7250.2564fd8c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To the gentleman in NC who kindly sent me the shielded twinlead....It was received....I lost the paper I had your call written on...pls send me your call and email address again ...many thanks
Greg WB9MII

Date: Thu, 18 Nov 1999 02:49:24 -0500 (EST)
From: igeq100@iupui.edu
To: Jim Lowman <jmllowman@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56253] Re: March Paddles?
Message-ID: <Pine.HPP.3.96.991118024724.9953A-1000000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jim -

Mike March's web page is <http://www.qsl.net/w4fjj> and his email address is lmarch@visuallink.com.

73,

Richard Meiss, WB9LPU
Speedway, IN

On Wed, 17 Nov 1999, Jim Lowman wrote:

> Gang,
>
> A while back, right after Pacificon, I mentioned that Chuck had
> generously loaned me his March paddles. Now I'm trying to find out
> more about them. Are they still available?
>
> Can someone fill in the blanks? I'm not sure if Chuck still reads
> this list.
>
> Thanks and 72 de Jim - AD6CW
>

Date: Thu, 18 Nov 1999 10:15:15 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>, "GQRP-L" <gqrp@onelist.com>
Subject: [56254] URL Change
Message-ID: <006101bf31ad\$d2c6a440\$c9a632d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You will have seen my previous message about my change of URL. Just to explain the move a little more clearly, this has not been due to an idea or whim of my own, but has been forced upon me by my internet provider, karoo.net, which has changed to a new web server to host the sites of Karoo customers.

The site content remains the same as does my email address.

Best wishes all.

Frank G3YCC G QRP 042
QRP web page <http://www.g3ycc.karoo.net>

Date: Thu, 18 Nov 1999 02:27:41 -0800 (PST)
From: "ElectronicsUSA.com" <wpc@west.net>
To: qrp-1@Lehigh.EDU
Subject: [56255] TT2 Photo Gallery Grows! Two More Added!
Message-ID: <19991118102741.98D2424BB8@acme.sb.west.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Check out the Tuna Tin Two's of W6ABC and N9MZP!

<http://ElectronicsUSA.com/tunatin2.html>

More photos are being processed so stay tuned!

The invitation is still open: If you have a TT2 you'd like to see in the TT2 Gallery, just send them to me:

tuna@ElectronicsUSA.com

72, John WA6KY0

John Roblin
ElectronicsUSA.com
"Mini-Keys, QRP Accessories, and other Cool Stuff"

Date: Thu, 18 Nov 1999 06:38:33 -0500 (EST)

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "John A. Evans - N0HJ" <jaevans@codenet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56256] Re: Leonids and Activity
Message-ID: <Pine.GS0.4.10.9911180638000.27270-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

3 AM this morning was the magic hour for a fine display in East TN.

-73-

LB, W4RNL

Date: Thu, 18 Nov 1999 03:40:40 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [56257] FOX
Message-ID: <19991118114041.35434.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks to all that responded as to the whereabouts of the Fox. N5TW was not good copy here, but did locate him under the pile. NQ5RP with the AR QRP Net in LA was good copy right before the hunt, however.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 18 Nov 1999 07:09:15 -0800
From: "muleskiner" <muleskiner@gateway.net>
To: "QRP" <qrp-1@Lehigh.edu>
Subject: [56258] Oscillator Design Articles from HamRadio Magazine
Message-ID: <001c01bf31d6\$e127af60\$0f790f3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Two that I can can immediately cite are:

- 1) Colpitts oscillator design technique, Larry Leighton, WB6BPI, Ham Radio, July 1978, pgs 78-87
- 2) VFO design using characteristic curves, Maurizio Gramigni, I2BVZ, Ham Radio, June 1978, pgs 36-38

There were more, but I'll have to search my files for them.

John

Date: Thu, 18 Nov 1999 08:10:39 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jjmcd@tm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56259] Re: Favorite PLL Chips...
Message-ID: <008501bf31c7\$5eccdb80\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I would have to ask how adept you are at trimming crystals. No, not dragging it with LC circuits. Drag it too far and it's not very stabile.

Actually trimming.

In fact, I wonder how many people nowadays even KNOW how to trim a crystal anymore.

Has anyone on the list ever done it? What was your success rate? (Be Honest!!) Me? I tried, but it wasn't successful. I was going to try it with an old crystal once, and I broke it getting the can open. I didn't go any further.

Mike
N1DVJ

----- Original Message -----
From: John J. McDonough <jjmcd@tm.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 17, 1999 5:52 PM
Subject: Re: Favorite PLL Chips...

> -----Original Message-----
> From: Chris Trask <ctrask@primenet.com>
>
>
> >applications requiring tuning. The Motorola MC145XXX series has a
> >few that are very convenient for fixed-frequency oscillators.
>
>
> Help me understand why I would use a PLL for a fixed frequency
oscillator.
> Crystal oscillators are pretty darned stable and relatively cheap, and
these
> packaged oscillators seem tough to beat for price/footprint.
>
> I'm not trying to be contrary, I really don't understand - clearly
there's
> something, possibly a big something, that I'm missing.
>
> In fact, except for VHF/FM, where operation is channelized, why use a
> synthesizer even for a VFO except when you need computer control?
Seems
> like a good old analog VFO would be a shorter path.
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>
>

Date: Thu, 18 Nov 1999 08:39:59 -0500
From: "Charlie Fitts" <cfitts@neca.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56260] Re: Request
Message-ID: <199911181350.IAA14541@orion.neca.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Sometimes you really luck out with stuff from Dan's also - for instance the
2N4401's recently mentioned - 100 for a few bucks. Several I checked (in
my \$10.00 multimeter picked up at the Hosstraders flea market a month or so
back) had an hFE of around 325.

I put a transistor socket at Q6 (the driver) in my Sierra so I could compare different driver transistors and had previously found that the 2N4401's worked best. Yesterday afternoon I replaced the 2N4401 that I had in there with one of Dan's and my 10M output went from just over 1W to almost 2W. (Most of AD6A's mods are already installed.) I'm still having a little trouble getting that 10M module "peaked", but the 2N4401 change alone made a major difference.

Anyway, when the price is right, it's hard to go too far wrong.

Charlie Fitts, N1EI

Date: Thu, 18 Nov 1999 09:13:36 EST
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [56261] Re: Shielded Twinlead received....pls disregard previous post
Message-ID: <0.d87fa1ab.25656390@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sorry folks...this AM I remembered the callsign of the guy I needed to get email to....pls disregard previous post.

72

Greg

Date: Thu, 18 Nov 1999 09:18:52 EST
From: Rod J Johnson <ka7you@juno.com>
To: QRP-L@LeHigh.EDU
Subject: [56262] Admin: Re: <owner-qrp-l@Lehigh.EDU>
Message-ID: <19991118.072216.4487.3.ka7you@juno.com>

Has anyone seen one of these <owner-qrp-l@Lehigh.EDU> return addresses in the last week or so?

Since I posted a question about these mysterious return addresses from posts coming from Juno users, I've been in sort of a one way 'discussion' with Juno Tech services. <support@juno.com>

They answer each message with an automated canned response message, giving you several choices to get additional information on subjects which are likely not related to anything you would complain about unless you are a fairly new user, or can't get your modem to work correctly (HUH?).

If those choices fail, then you can call the customer service line and "pay for service" at several dollars per minute.

I chose to forward each complaint message from Juno members and list recipients to Juno Tech support, along with a few messages of my own indicating the time frame and sequence of events as I saw it.

I just noticed tonight, as I was going back looking for an old message, that I have not seen any of those recently. Do you think they have responded?

One of the many "<owner-qrp-1@Lehigh.EDU>"

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
80M thru 10M with K2 s/n268 and other fine QRP rigs.
VHF thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 18 Nov 1999 08:01:21 -0500
From: DNT1@daimlerchrysler.com
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: qrp-1@Lehigh.EDU
Subject: [56263] N/T+ FOX log: 2200 17 OCT 99 - 2300 17 OCT 99 UTC
Message-ID: <8525682D.0047898A.00@lngshc02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Well, Trey's second outing as fox only netted 2 contacts. Broadcast QRM & Mom calling us to dinner early had us ending the session early at 2300 UTC, apologies to those who looked for him after that. Here's the log, pitiful as it is:

N/T+ Fox log for KF4YWT 11/17/99 2200 - 2300 UTC

QS0 #	Time	Callsign	RST Rec	RST Sent	ST/PV Cntry.	Name	QRP-L#	Pwr
1	2220	K2UD	549	549	NY	Howard	1535	5W
2	2231	N4TVC		449	559 VA	Randy	1774	5W

Thanks to all for your patience, hopefully next week will go better. We'll have

to spend a bit more time searching for holes in the SW stations to see if there's a better spot for the fox to stick his head out & maybe update the schedule to reflect it for future hunts; Trey was highly frustrated by them by the time his mom showed up to request our presence for an early dinner.

BTW, QSL's will be going out shortly to all who've worked the fox & sent cards (that is if he doesn't feel the need to change his drawing AGAIN!) so please be patient. Thanks!

72/73, Don T. AI4CW & Trey KF4YWT
EM64pw Toney, AL QRP-L#1670 (/JR)

Date: Thu, 18 Nov 1999 09:39:28 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [56264] Antenna Tuner Buy or Swap
Message-ID: <008101bf31d2\$b7f45700\$5f755acf@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for a MFJ 16010 Random wire tuner. This is the one with just a coil and capacitor, not the older typical "T" match 1610-ST. I will buy this outright, or I have a nice MFJ 945D mobile antenna tuner that I would trade for the 16010 + a little cash. The 945D has the crossneedle swr/power meter and is in nice condition with the paperwork. Please email direct if you have one for sale or swap.....

Thanks
Tim
NZ8J

Date: Thu, 18 Nov 1999 22:56:46 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: wi8w@arrl.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56265] Re: That sly, sly FOX , N5TW
Message-ID: <19991118145646.CYGV10371@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Did I hear someone using my name agn ?
Tks es Hip Hip Hooray !!!

de Sly, 9M8SL
The Darnest Fox around !

At 11:08 PM 11/17/99 -0500, you wrote:
>Shucky darn....missed the fox. One outa Two ain't bad and battin' .500
>
>Sure didn't help with the HJ0 and the LX callin CQ right on top of him on
>SSB
>
>Spent 2 hours gettin' real good at sendin' my own call though.
>
>Thom WI8W
>
>

Date: Thu, 18 Nov 1999 07:30:02 -0600
From: "Mike D." <hrg@megsinet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56266] RE: March Paddles
Message-ID: <000201bf31c9\$04730ea0\$03d2d6d8@urbancom.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

March Paddles web site <http://www.qsl.net/w4fjj/>

For anything Morse/CW related, see my Morse Code Links page on my web site.

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
I want to party like it's 1969.
Solid State leaves me cold.

> Mike March's e-mail address is: lmarch@visuallink.com

>
> Mike sent me a nice JPG file of his latest keys recently. If you'd like I
> will send the JPG to you directly.

Date: Thu, 18 Nov 1999 10:15:51 -0500
From: "ai2q" <ai2q@ispchannel.com>
To: <wi8w@arrl.net>
Cc: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [56267] RE: Power output on Ten Tec 515
Message-ID: <000001bf31d7\$ce8956a0\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thom:

Before you "send it back to the factory," a la ricebox owners, why not pull the covers and do a bit of inspection of the driver and PA circuits yourself? Do you have the schematic diagrams? Armed with a multimeter, you could check the PA and driver transistors, and look for burned resistors around these stages.

These are the kinds of things you can do in an hour or so. I've replaced transistors on two Argonauts (a 509 and a 515), and it's really quite straightforward.

GL es 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Thom Durfee
Sent: Wednesday, November 17, 1999 11:25 PM
To: Low Power Amateur Radio Discussion
Subject: Power output on Ten Tec 515

Anybody have an idea on what the proper power output should be on a Ten Tec 515?

I just bought a used 515 and the power measurements are as follows:

80 meters 1.25 watts

40 meters 3.10 watts
20 meters 2.5 watts
15 meters 2.0 watts
10 meters 2.2 watts

Do these sound like normal for this rig?

I owned a 509 back about 22 years ago and I remember it having at least 4 watts on all bands.

I'm thinking about sending this unit to Ten Tec for a overhaul. Your thoughts please.

Thom WI8W

Date: Thu, 18 Nov 1999 10:24:24 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [56268] XMTR: Fix for Tuna Tin 2's chirp and TT2 power boost
Message-ID: <38341A27.4BC2476B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I posted this info to the NJQRP list and it was suggested that the info might be helpful to the TT2 builders reading QRP-L -- so here it is.

Inspired by NJQRP's Tuna Tin 2 kit efforts I recently built one from the

NorCal schematic using the "manhattan pad" construction method. It worked -- put out about 270 mw -- but I got reports of a bad chirp. I checked it out and determined that as I pressed on my key the rig's freq shifted -- figured that I got a bit more voltage into the rig, and a freq shift, as I pressed harder on the key.

One of the NJQRP folks suggested adding a keying circuit like the one in

Red Hot Radio's Pixie/MRX40 rig. I checked it out and was reminded of the FB40 amp keying circuit. I figured I'd keep the rig in the NJQRP family so I

added the FB40's circuit.

Basically the objective is to get the key out of the power circuit and put the 2N3906 in it - rather than your key acting as the on/off switch, the 2N3906 acts as the switch.

I used four components from the FB40 circuit -- R4 (1K ohm), R5 (470 ohm), C7 (0.1 uF), and Q2 (2N3906). If anyone needs it, the FB40's schematic is at:

http://www.njqrp.org/fireball40/rev_b/fb40b_schem.pdf

I disconnected the V+ from the key jack and removed C9 (22uF electrolytic - the schematic says 25uF).

Connect the V+ line to the emitter of the 2N3906 (leave a little lead space when you do this -- you also need to connect R5 to the emitter).

Connect the collector of the 2N3906 to J1. Again leave a little lead space when you do this -- you also need to connect C7 to the collector. (I scratch-built my TT2, but the board of my other TT2 -- the NJQRP version -- says J1. Anyway, its where the power gets to the circuit).

Remove the line from the other terminal of the key jack.

Ground the key jack.

Connect R4 (1K ohm) to the "hot" terminal of the key jack. (You know -- the one at the tip of the plug).

Connect the other end of R4 to the base of the 2N3906 (again leave some space for R5 and C7).

Run R5 (470 ohm) from the 2N3906's emitter to its base.

Run C7 (0.1 uF) from the 2N3906's collector to its base.

I did not use any additional bypass caps (the FB40 circuit uses two -- C8 and C11) -- I figured the TT2's C10 was adequate.

That's it -- my chirp is gone. Another significant benefit of this fix is I can now use my TiCK Keyer with my TT2.

Well, I reread this and corrected a couple typos -- probably missed some. If anyone has any additions or corrections please feel free to do so.

Last night (Wed) I worked AB8DF nr Detroit (a fellow QRPer who was Fox hunting) with my TT2 -- got a 559 report and had a nice long QSO. He is also building a TT2.

He asked how I got my power up to 400 mw. So, here's how I did it:

I added a 1K pot (one of those little board mounted pieces) in parallel with R7. I figured I would gradually decrease Q2's emitter resistance until Q2 got hot. I was able to turn the pot to minimum value with no heating of Q2. I have fried a few 2N2222s in the past -- got lucky this time.

If you'd like to hear how my Tuna Tin 2 sounds, listen for me on 7.0423 MHz (or give me a call). I'm usually in my ham shack, working on projects, between 02:30 and 03:30 UTC (9:30-10:30 pm EST).

Please contact me if you have any questions.

72,

Jake -- N4UY
Vienna, VA (Wash DC suburbs)

Date: Thu, 18 Nov 1999 11:46:07 -0500
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56269] did anyone hear me?

Message-ID: <38342D4F.A8CAD5E4@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

calling massive amounts of cq's last night (de kb8qpt)..

i have the sneaky feeling i am doing something wrong..

--

--

peace,

sergio

<http://www.bright.net/~sruiz> <--- The Village Buzz

"quoting other people is really lame and unoriginal" ...sergio

Date: Fri, 19 Nov 1999 00:04:00 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56270] Elmer 100: Continous Ham Radio Education (rather long)
Message-ID: <004601bf31e7\$26b892a0\$6ff992ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Talented group,

Some time ago there has been a discussion about contribution
on this list.

I have no electronic education/background and therefore have
minimum ability to contribute the community on electronic know how.
However I would like to contribute my thoughts and hopefully
the talented members of this list will response positively.

Probably most of us (the older member) knows that there has
been a wonderful Elmer 101 series done on this list.
I'm one of the guys who were joint this list after the Elmer 101
series has been completed (poor me), well people can say
buy the book from Paul and the kit from SWL and youre on
business. Yes, true but I would like to look it in another perspective.
I think we still remember our time in school, the school did not
stop giving lessons on grade 1 just because the last year students
has gone to grade 2 because there are new students.

New members are joining the list and I believe that they (including me) will appreciate if the experts are willing to start a new class again. I also believe that this event should be a routine activity of the list. For those who have it already or don't want it they can filter the mail out, cool eh?

Perhaps a new Elmer 100 series can be created too like What book do we need to have in our ham library and why. That can be presented in Doug's What kit to build series style. I know there has been numbers of book review on this list but none to my knowledge provide a comprehensive digest of the must have books since it will be too overwhelming to explain every book. To make it better if there is a book supplier who can make an offer to bundle the needed books with an attractive price???

Other Elmer 100 series could be discussing specialized topics on xcvr like PLL, DDS, DBMs, etc. name it there are lots.

Well the question maybe who is willing to do that? If only I have the expertise I'll gladly do it, then it is to the members of this list who have it, and I'm sure the ham spirit of helping others is very well alive here on QRP-L and volunteers will stand up willingly.

Thank you for reading and hope that soon someone will stand up and volunteer.

With all my humble respect to the list members.

vy 72/73 de Donny YB6LD/1 QRP-L # 2004
Bekasi Indonesia

Date: Thu, 18 Nov 1999 12:04:19 EST
From: GUARDM@aol.com
To: qrp-l@lehigh.edu
Subject: [56271] Partial Happy Dance
Message-ID: <0.767b3b2f.25658b93@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

That's right....I passed the Extra Theory. Didn't do so well on the 20 wpm code. I didn't do too bad but just not well enough to pass it this time.

Look out in December as I been practicing like a mad man. Look for the "Happy Dance" post the second weekend of December.

Mev KG9NF

Madison Wisconsin

QRP-L #2066 10X #7014

<http://www.qsl.net/kg9nf>

"Is it true that if you put tinfoil in the microwave, the world goes backwards?"

Date: Thu, 18 Nov 1999 12:40:39 EST

From: JFStrain@aol.com

To: qrp-l@lehigh.edu

Subject: [56272] Re: SSB QRM QRQ

Message-ID: <0.21453da.25659417@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

On the other hand, I love contests as a way to see where you can be heard when the receiving station is greedy enough to take everything they can get (including weak sounding signals) to raise the point score. I get a terrific kick by sneaking in through a pileup and don't usually say anything about being QRP. I also have to laugh when I get a 5-9 report, even though I know it is mostly for the ease of rapid logging at the other end. I never have had enough time to seriously get involved in contesting, but when you can knock off contacts all over Europe in a short time while QRP, it gives a certain degree of smug satisfaction that doing it with 100 or more watts can never equal. Timing and rapid phonetics also helps.

72,

John W9MIU

QRP-L 1088 QRP-ARCI 8173

Zombie 250 ARS 571

Date: Thu, 18 Nov 1999 13:15:51 -0500

From: Ron Majewski <majewski@erim-int.com>

To: qrp-l@lehigh.edu

Subject: [56273] FOX: W8RU Final Log

Message-ID: <38344257.C8D6075B@erim-int.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi All,

Here's the final log. Once again, many thanks!

72,

Ron (W8RU).

Station UTC	Fox Worked	Hound RST	Hound RST	Hound QTH	Hound Name	Hound QRP-L
0100	K5AAR	559	559	OK	DON	1512
0101	N0DT 559	559	MO	DAN	1004	
0102	KG2LO	559	559	NJ	ROLAND	1445
0103	WS4S 589	559	TN	CONARD	993	
0105	N0EA 559	559	MO	WAYNE	1058	
0106	K1QM 589	559	MA	JOEL	337	
0106	N4ROA	559	559	VA	DAN	970
0107	N9AW 599	559	WI	JERRY	1271	
0108	N0EHW	599	559	MO	TIM	2047
0109	AF5Z 579	559	TX	BOB	984	
0109	W0CH 559	559	MO	DAVE	618	
0110	AB8DF	559	559	MI	ED	1444
0111	AA2PF	599	559	NY	DAVE	306
0113	AI4CW	569	559	AL	DON	1670
0113	KU4AF	559	559	NC	JOHN	987
0114	AE2T 599	559	NY	AL	1664	
0115	K5NZ 589	559	TX	MIKE	2018	
0116	N8IE 579	559	OH	DAN	1404	
0117	K1JD 579	559	RI	JOHN	1945	
0119	KB9IUA	579	559	IL	KEVIN	384
0120	W5HNS	569	559	TX	HENRY	178
0120	K1VP 559	559	NH	ED	1960	
0121	K2UD 589	559	NY	HOWARD	1535	
0123	KI0G 579	559	CO	BOB	239	
0124	W4UTI	559	559	AL	KARL	1097
0125	AE4Y 559	559	GA	KENT	1844	
0127	K2SJB	579	559	NY	DAVE	757
0128	KB9BVN	599	559	IN	BRIAN	1540
0129	N0RN 559	559	CO	BOB	1789	
0130	W0RW 599	559	CO	PAUL	1284	
0131	KC1FB	559	559	CT	JIM	29
0132	NK9G 559	559	WI	RICK	2061	
0133	N8VAR	559	559	OH	RON	263
0135	AB5XQ	559	559	TX	BILL	2051
0136	K5ZTY	559	559	TX	BILL	473
0137	AB5UA	559	559	OK	CLIF	478
0138	N3YSI	599	559	PA	PAUL	1835

0139	K5LN	559	559	TX	BILL	1794	
0140	K0EVZ		579 559	ND	DOC	861	
0141	N9KW	579	559	IL	JOHN	1257	
0142	W2XN	559	559	FL	FRED	1728	
0143	N2TO	559	559	NY	KEVIN	323	
0144	KA5T	559	559	TX	LARRY	89	
0144	W5TB	599	559	TX	DOC	673	
0145	AJ4Y	559	559	FL	PAUL	1795	
0146	N1LN	599	559	TX	BRUCE	2049	
0147	KQ5U	599	559	TX	TERRY	1603	
0148	N5TW	589	559	TX	TOM	1474	
0149	N1TP	559	559	FL	TOM	1317	
0151	KF4AR		599 559	NC	RICK	402	
0151	AF4PS		579 559	FL	MAC	704	
0153	W8SFF		559 559	MI	STEVE	1288	
0154	N4UY	599	559	VA	JAKE	821	
0155	NQ7X	559	559	AZ	FLOYD	343	
0156	W5SB	559	559	TX	BILL	1279	
0157	N2ZHY		559 559	NJ	DAVID	2067	
0159	WE6W	559	559	CA	ED	1068	
0159	KI0II		579 559	CO	RON	928	
0200	W0JOE		559 559	MO	JOE	1901	
0201	AK7Y	559	559	AZ	GENE	1693	
0202	N5IW	559	559	TX	DAVE	1718	
0203	KK5LD		559 559	TX	DAN	2052	
0204	N0TU	559	559	CO	STEVE	911	
0206	WW7Y	559	559	UT	STEVE	94	
0206	W5TFB		589 559	TX	JACK	282	
0207	N6WG	559	559	CA	BOB	26	
0208	VE5RC		559 559	SK	BRUCE	886	
0209	KU7Y	559	559	NV	RON	17	
0211	K5VUU		559 559	TX	ED	1343	
0212	K2REB	449	559	NY	DICK	1811	
0214	K5GQ/M		559 559	TX	MARK	794	
0215	KD5CMN		559 559	TX	MIKE	1328	
0215	NT1R	559	559	ME	BILL	912	
0216	K1MG	579	559	CA	MIKE	614	
0218	AB7CE		559 559	MT	ROY	1494	
0218	N0RC	579	559	CO	ROD	1764	
0219	K5JHP		559 559	TX	BILL	825	
0222	N3XRV		559 559	MD	CHRIS	655	
0223	KI7MN		579 559	AZ	BOB	271	
0224	KD5AIJ		559 559	TX	STEVE	2071	
0225	NZ4E	559	559	VA	MARC	184	
0226	K4NK	559	559	SC	LES	871	
0228	KE5TC		559 559	OK	ROY	1057	
0229	W7ILW		559 559	AZ	HOWARD	2010	
0230	K5UP	559	559	OK	GLEN	21	

0231 K5DW 559 559 TX DON 2083
0232 AD6IU 559 559 CA DICK 951
0234 N2JTW 589 559 NY MARK 1956
0235 N0UR 599 559 MN JIM 799
0236 AA5TA 559 559 TX LARRY 1245
0237 N2SMH 579 559 NJ DAVID 74
0238 KA3WMJ 599 559 PA KEN 355
0244 W0MC 559 559 CO JERRY 800
0245 N7GS 559 559 MT MAL 815
0247 VE6EWM 559 559 AB EARL 1076
0248 KB7WW 559 559 OR ART 290
0249 K6TM 559 559 CA RICH 1092
0250 WZ2T 599 559 NY RICK 122
0253 N7RR 339 559 MT RICH 1688
0254 N7CQR 559 559 OR DAN 502
0257 KR0I 559 559 MO MAC 1037
0257 N0AR 559 559 MN SCOTT 1455
0259 KJ5SP 559 559 OK MEL 1287

Date: Thu, 18 Nov 1999 11:44:53 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: dsirait@centrin.net.id
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56274] Re: Elmer 100: Continous Ham Radio Education (rather long)
Message-ID: <38344925.8B8DA7D2@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Donny

Excellent ideas! Education shouldn't stop when your earn your license. In fact, it should start long before that. That is why I started the ElmeRadio project.

Youngsters will start by building the ElmeRadio AM Regen. Upon completion, they will be rewarded a certificate "entitling" them to participate in the ElmeRadio ham radio class. Here, they will study for the Tech+ or Novice test while building a two stage kit, tentatively called the ElmerPixie. This is an "embellished" Pixie II with a sidetone monitor, audio filter, and a built-in straight key. (You have to see this key to believe it. Built mostly from hardware store parts, it, actually, looks like a straight key, except that it is red, yellow, and blue, the ElmeRadio colors, and is designed for beginners hands.)

As I mentioned, the kit will be built in two stages, first, as a code

practice oscillator, and, then, after our aspiring ham learns his code and earns his ticket, it will be "upgraded" to an 80 Meter Pixie-type transceiver.

The course does not end when the license is earned. Class members will then meet to learn and practice communication skills. At first, our QSOs will be across the room or parking lot, using a 50 ohm resistor for an antenna. As the students gain confidence they will expand their horizons. Add a wire to the resistor and talk to ham friends in the community. Put up a "real" antenna and talk to the world.

At this point, I will hand them off to Elmer 101 or some similar program. As you suggest, others could work on more advanced programs.

One point being, if we wait around for some kid to show interest in radio and come to us, we may not be very successful. What we need to do is CREATE interest in amateur radio, and push the average age of amateur operators down to, maybe, 22. With the average age of operators being somewhere around 57 and climbing, the future won't be that rosy unless we do something about it.

I am very excited about these projects, and hope others will be, too.

Stay tuned

Bruce kk7zz

Date: Thu, 18 Nov 1999 10:47:21 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [56275] QRQ, QRS, QRR?
Message-ID: <383449B9.2F64@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You got your QRQ op, your QRS op, and then you've got the ragchewer, QRR op.

But is there such a thing as a QRQ op? I don't know. Three years ago on my straight key I was doing good to make it to 18 WPM and the hand would tire out and just about freeze up on me after an hour-long ragchew.

We are talking pain here. Probably aggravated from years of keying in programs on the job.

Borrowing a Iambic key and keyer really reduced the strain and the QRR speed went up to 25 WPM. Contest work as high as 35 WPM, and except for being unable to think fast enough and send at the same time, the QRR rate crept up to about 32 WPM at best.

And no one answered.

Yet thousands of operators came out of the woodwork, blazing speed operators during the contests, and I seemed the clown, operating QRS at 28 WPM. Surely they thought "where's his memory keyer info? This guy is keying manually...."

And I continue to key manually because the goal is to improve my sending, not my button pushing. Once the paddle and 60 WPM is mastered, perhaps the goal will be to upgrade the Q's/hour rate by going to the memory registers.

I looked forward to many QSO's now knowing these QRQ operators existed! Yea, I shouted, I'll finally get some QRR at 35 WPM on a daily basis and get up past 40 WPM and beyond.

Pity. After the contest, no answers to my 30 WPM CQ's.

It seems many of the QRQ operators above 30 WPM do not have ragchews. Perhaps they are all on a different band or frequency. I've found some going 13 WPM in the extra and advanced band as well. But the numbers of QRQ operators counted do not reflect as a sample of available QRQ operators.

Where are they and why don't they help me? For I am the QRS operator to them and as I help N/T+ in their band, can I not be helped by the QRQ ops in mine?

Or do they only exist during contests where the exchange is a format they can copy in expectation? I feel perhaps I am not alone with this realization, that perhaps it is the ability to think and send at QRQ speeds (relatively speaking), that defines one's code prowess?

Perhaps it is the "Smoke and Mirrors" factor. The difference between "Formatted Speed Rate", (QFS), and "Rag Chew Rate", (QRR)?

$QSM = QFS - QRR$.

So a contestor at 38 WPM ragchews at 20 WPM. $QSM = 18$.

That's a lot of smoke and mirrors.

Let's push the envelope and try for a QSM of ZERO. I don't mean or even remotely suggest that memory keyers are the problem, or to even slow down your QFS rate to match your QRR. I'm talking about stretching out and getting that QRR up to match your QFS (Contest Format Speed).

I'm not impressing anyone at a QRR of 28 WPM. It is all about goals and mine is to reach >60 WPM and I need your help.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2239/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Thu, 18 Nov 1999 10:55:41 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [56276] TRADE: Sierra / KC2 for bare-Sierra or Sierra/KC1
Message-ID: <38344BAD.6400@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a Sierra with the KC2 that I would like to trade for either a Sierra without KC2 or KC1 or a Sierra with a KC1. I find I prefer the audible counter output to the display: it works better in the dark of a tent.

Or... sell the Sierra/KC2 and I will build another one.

--

Allan Taylor K7GT Grid CM97 email: k7gt@arrl.net

Date: Thu, 18 Nov 1999 12:27:43 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <GUARDM@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56277] Re: Partial Happy Dance
Message-ID: <199911181926.MAA32525@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Congratulations and good luck in December 2 Cal KF7ET

> From: GUARDM@aol.com
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Partial Happy Dance
> Date: Thursday, November 18, 1999 10:04 AM
>
> That's right....I passed the Extra Theory. Didn't do so well on the 20
wpm
> code. I didn't do too bad but just not well enough to pass it this time.

> Look out in December as I been practicing like a mad man. Look for the
"Happy
> Dance" post the second weekend of December.
> Mev KG9NF
> Madison Wisconsin
> QRP-L #2066 10X #7014
> <http://www.qsl.net/kg9nf>
> "Is it true that if you put tinfoil in the microwave, the world goes
> backwards?"

Date: Thu, 18 Nov 1999 19:33:05 -0000
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <cebik@utkux.utcc.utk.edu>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [56278] Re: Series or parallel tank circuits
Message-ID: <008701bf31fc\$057f1f40\$151d989e@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can I just waste a little bandwidth to congratulate L.B. and Paul
for their lucid explanations on the subject.
This reflector has the header "Low Power Amateur Radio Discussion"
but sometimes I am dismayed at the rapidity and speed with which
I have to employ the "delete" key each evening.
... Ah...for more contributions like theirs.

72/3
George

George Dobbs G3RJV

"It is vain to do with more

g3rjv@gqrp.demon.co.uk
The G QRP Club
[www.gqrp.demon.co.uk]

what can be done with less"
William of Occum. 1290-1350

Date: Thu, 18 Nov 1999 15:51:47 -0500
From: "Norman A. Jackson" <nvj@megalink.net>
To: qrp-l@Lehigh.EDU
Subject: [56279] Re: Elmer 100
Message-ID: <3.0.6.32.19991118155147.007c8100@megalink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well said, Donny.

My hope is that someone will respond to your request.

72,
Norm/K1NAJ

Date: Thu, 18 Nov 1999 13:01:48 -0700
From: "Alyn Backe" <ve6bpr@cnnnet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [56280] Re: Leonids and Activity
Message-ID: <002801bf31ff\$c00f1a60\$8506e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

4:30 a.m. local time the view was quite spectacular in VE6 land as well.
Very colorful. Bright orange heads with very bright green flourescent tails.

Didn't hear any stations on the air at this time though. Last year I was
lucky enough to work about 20 stations on 144.200 MHz with low power. 20
watts pep output and could have easily cranked the power down to 10 watts
QRP and still made the QSO's. Oh well. Will see what next year brings and
then there's the Geminids meteor shower in December.

72/73, AL, VE6BPR...

-----Original Message-----
From: L. B. Cebik <cebik@utkux.utcc.utk.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, November 18, 1999 7:09 AM
Subject: Re: Leonids and Activity

3 AM this morning was the magic hour for a fine display in East TN.

-73-

LB, W4RNL

Date: Thu, 18 Nov 1999 15:03:12 EST
From: Robsparks@aol.com
To: qrp-1@lehigh.edu
Subject: [56281] AR QRP 40m Net Results
Message-ID: <0.18e1e3f6.2565b580@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The AR-QRP Net had 15 QNIs last night including several first time QNIs. It was fun! The band conditions were good, with good copy from only 1 watt from GA : Paul AJ4Y. While the net was in progress, the foxhunt began. The hunters and the hunted sounded like they were having a great time, and time and time again the band would erupt with the sound of the pack on the heels of the fox. There is no better way to spend a Wednesday nite than with QRP!

The net started at 0130Z and ended at 0220Z. The net is a fun place to listen and brush up on CW, even if one does not choose to QNI! Thanks to those who participated! Here are the stations that checked in:

N5IB	Jim	5w
K5ZTY	Bill	5w
N5IW	Dave	5w
AA5VH	Bob	3w
N3BJ	Alan	5w
W2XN	Fred	5w
N9AVG	Jeff	DSW
W0LK	Bob	
AF4PS	Mac	3w
AE4IC	Bob	

AJ4Y Paul
W3IR Mike 1w
KC5DSP? Lost him!
AL7FS/9 ? Jim? Home from Alaska?
AA0B Roy 5w

The AR-QRP Club now has 3 weekly nets and a web page. Members and non-members are encouraged to check in, so there is NO excuse not to keep in touch! If CW isn't your bag, then check out the QRP SSB net on Saturday mornings!

Winter Net Skeds

Monday Night	3.560	MHz	7:30 PM CST	0130Z
Wednesday Night	7.042	MHz	7:30 PM CST	0130Z
Saturday Morning	7.2725	MHz	8:00 AM CST	1400Z
Website address:	http://www.qs1.net/nq5rp/			

The NCS was Bob AB5ZD, using the AR QRP Club call NQ5RP, a Kenwood 450 running 5 watts to a G5RV up about 25 feet in pecan trees from QTH Alexandria LA. Orientation of the ant wire is NNW to SSE.

72,

Bob AB5ZD ab5zd@qs1.net

Date: Thu, 18 Nov 1999 13:07:01 -0700
From: "Rod Cerkoney" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>
Subject: [56282] Upper Bands are a Hoppin'!!!
Message-ID: <00c901bf3200\$7d2f3da0\$a88611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

Home for lunch and....

15 and up are hopping! Just had a nice chat with CAM, HP1AC, I was running 3 Watts on 21059. His first exchange was 559 but his second exchange was 57/89 easy. I got a 579. Tuned around 10, heard Europe, South Pacific & New Zealand....

Wish I didn't have to go back to work...Oh well, tomorrow's FRI and

the WE looks good based on Paul's prediction of sun stuff smacking into us.

Go get 'em boys and girls, and HAVE FUN!

72/3 Rod, N0RC -- Fort Collins, CO

Date: Thu, 18 Nov 1999 15:17:03 -0500 (EST)
From: James Skalski <jskalski@localnet.com>
To: qrp-1@Lehigh.EDU
Subject: [56283] FS/TRADE: annunciator
Message-ID:
<Pine.LNX.4.20.9911181501040.4853-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a speech synthesizer on my argosy II. It has a momentary toggle switch on the front. When pressed it tells you the operating frequency in computerese voice.

I have a similar system at work except it works with stuff that I dictated. It reads the document that is on the screen.

When I use the speech synthesizer at home; it reminds me of work. So it has to go :-))

If anybody could use this unit; I would trade it for some argosy accessories. I need a noise blanker and a cw crystal filter.

The annunciator is in a nice Tec tec cabinet. If you have an argosy II with a digital readout and *need* this one with the annunciator and digital readout. I would be willing to trade radios if you are visually impaired and unable to install the wiring harness in your unit.

For that matter if you are visually impaired and would like to trade something equally "neat" drop me a note. I have the microphonium and matching power supply and audio cw filter.

73,

Jim n2go

Date: 18 Nov 1999 15:25:44 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [56284] ELMER101: come on in, the water's fine
Message-ID: <1999Nov18.152544-0500@[130.113.234.7]>

Donny and any other folks....

Donny suggested that we "restart" the elmer101 series, as if its over and done with. Its SUPPOSED to be an ongoing thing.

Mike Maiorana still has his excellent archive of the QRP-L traffic that transpired, and lesson plan at:
<http://www.qsl.net/kf4trd/faq.html>

And i have some circuit description at:
<http://epic.mcmaster.ca/~elmer101>

If you don't have web access, buy the book from Quicksilver printing (Paul Harden). I don't mean to belittle Doug Hendricks' editing job, but i'd say that either the web approach or Paul's book could work for you. Hard copy is nice to have.

Many of the same people who contributed as elmers to this project still lurk. If you post questions about the SW40+ rig, answers will come. If you have some troubleshooting to do, post as well. Just preface your post with "ELMER101:" to catch our attention.

Date: Fri, 19 Nov 1999 07:39:24 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56285] Re: Leonids and Activity
Message-ID: <383463FB.A2E267E7@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alyn Backe wrote:

> 4:30 a.m. local time the view was quite spectacular in VE6 land as well.
> Very colorful. Bright orange heads with very bright green flourescent tails.

At this QTH (beautiful downtown Budgewoi N.S.W.) we enjoyed excellent cloud

cover with occasional rain. (Bummer)

Weather forecasters have given up mentioning Leonids.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Thu, 18 Nov 1999 14:59:49 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: we6w@qsl.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56286] Re: QRQ, QRS, QRR?
Message-ID: <0FLE00HQEVVEBZ@mta2.rcsntx.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Ed, I wonder if part of the problem here is that many, if not most, of the QRQ CW contest operators actually seldom or perhaps NEVER work CW except in contests! They do all their rag-chewing on phone - QRQ CW skill in copying is essential for CW contesting but memory keyers and logging programs take care of all the sending business. Most of the contest ops I have known relied on SSB for bragging and discussing contest scores, etc. Except for DX, you never heard them on CW.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972

> From: Ed Loranger <we6w@qsl.net>

> You got your QRQ op, your QRS op, and then you've
> got the ragchewer, QRR op.
>
> But is there such a thing as a QRQ op? I don't know.

Date: Thu, 18 Nov 1999 12:17:15 -0900
From: Bruce Hopkins - KL7H <kl7h@arrl.net>
To: qrp-l@lehigh.edu
Subject: [56287] Re: Leonids and Activity
Message-ID: <v03007800b45a1a6aca1b@[208.161.167.207]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Started watching for meteor activity here around 9 PM local and checked hourly until 3 AM... Total meteor count from the "Frozen North", ONE... Oh well maybe next year will be the "Big One"... Temperature was around 0f, so like Paul, I only stayed out until my tea got cold... So not much on Leonids, but did get to see some nice Aurora...

The low bands may be noisy, but 10 meters has been opening daily here from around 1800z until 0200z... I have been hanging out around 28.062 and making lots of 2XQRP contacts... Hope to see you there...

Good and positive thoughts going out to Doug for a complete and speedy recovery...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://home.gci.net/~bhopskins/akqrp>
or: <http://www.qsl.net/kl7aqc>
- 10 Meter Beacon: 28.282.28+/- KL7AQC / BCN

Date: Thu, 18 Nov 1999 15:28:04 -0600
From: "Tom Whiteside" <n5tw@iggg-tx.net>
To: <QRP-L@Lehigh.EDU>
Subject: [56288] FOX: Preliminary log for N5TW
Message-ID: <000d01bf320b\$cd307fc0\$3e21f0cd@g517v>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Below is the preliminary log for our time as Fox... Please send me any corrections... This was my first hunt as a Fox and the pileup was around 100X anything I had every tried to handle before - UNBELIEVEABLE!!!! Previous foxes have described the "fox in the headlights" effect of all of y'all out there barking and it was very apparent! The hunt was a lot of fun and we managed to get 70 hounds in the log.

We started off with a few cockpit problems with the excitement and logging program - hit a few wrong keys that had to be confusing but it, generally went real well... One thing I noticed about DX4WIN was any change to someone's call information erased all the exchange information! We found that saving then editing entries prevented this but a few folks got to repeat information while we got that under control...

First pelt went to Dave W0CH who happened to be right where I started listening - congrats, Dave! One thing I noticed about the QRP pileups versus others I've listened to is that it was much tougher to just pick off the loudest call sign... This still worked but it is really a huge din of calling stations!!! Even focusing on a tone, one call would get clobbered with another then another... I had made the decision to use both beams with one pointing NE and NW and this added to the number of stations you could hear (at once) - I still think this was a reasonable way to go since it (hopefully) helped everyone hear me... One of the most astounding things was how quickly the pileup would go from yelping hounds to quiet as I would start sending an exchange - my hats off to the group for an outstandingly disciplined performance!!! My only problem was that if I missed nabbing a call in the first rush, there were too few subsequent calls to sometimes get one without a QRZ? - not the worst problem to have!

The bands seemed good, at least at first but we had plenty of noise sources and the second hour was tougher hearing than the first. Seemed like at the last, I was chasing hounds almost more than the reverse with relatively tough conditions.

We seemed to cover NA pretty well - we worked 33 states and provinces. For once, TX did not come in first - both due to skip challenges and the vow of the Texas Tarantula team (of which I'm a member) to not accept pelts from either being a fox or from working each other... (We feel that accepting points from each other would be a conflict of interest and a compromise of our foxii honor.) First honors go to MO with 6 hounds with CO, AZ and FL tying for second with 5.

The first hour seemed to go by in slow motion at first (can I live through this) and then the time just whisked by... The highlight of the evening was after the conclusion, listening to a bunch of hounds in almost

choreographed succession sending their compliments and regards... I had never heard this part of a hunt and it was really neat sending "dits" back to this FB procession!!!!

After the hunt, I was really wired so went out to look for meteors... The moon was really bright and no meteors were spotted... It was nice to watch the moon's glow glinting on the various beam elements - was this the moon or were the deflector shields still glowing on the DeathStar from all those HoundShips? Thanks to all of you and sorry I could not work more...
73/72 Tom

Time	GMT	Call	RX	RST	State	Name	Number
------	-----	------	----	-----	-------	------	--------

2:01		W0CH	599	MO	DAVE	618	
2:03		W0RW	599	CO	PAUL	1284	
2:04		K0EVZ	579	ND	DOC	861	
2:07		KQ5U	559	TX	TERRY	1603	
2:08		KI9G	579	CO	BOB	239	
2:09		AB7CE	559	MT	ROY	1494	
2:10		N0EA	559	MO	WAYNE	1058	
2:11		K5AAR	559	OK	DON	1512	
2:12		N0DT	559	MO	DAN	1004	
2:14		N0EHW	599	MO	TIM	2047	
2:16		AA5TA	559	TX	LARRY	1245	
2:17		N5LU	579	OK	BILL	2008	
2:18		K7RE	559	AZ	BRIAN	404	
2:19		N4ROA	559	VA	DAN	970	
2:21		NQ7X	559	AZ	FLOYD	343	
2:22		N0RN	559	CO	BOB	1789	
2:25		AB7MY	559	AZ	GARY	571	
2:26		KU7Y	559	NV	RON	17	
2:28		WS4S	569	TN	CONARD	993	
2:29		N9AW	579	WI	JERRY	1271	
2:31		AI4CW	559	AL	DON	1670	
2:32		WD4MSM	559	IN	BARRY	542	
2:34		K0PC	559	MN	PAT	'964	
2:36		N8IE	559	OH	DAN	1404	
2:38		AE4Y	559	GA	KENT	1844	
2:39		W0RSP	559	ID	ABE	3100	
2:41		VE5RC	339	SK	BRUCE	886	
2:43		KA5T	559	TX	LARRY	89	
2:44		AA0ZZ	559	MN	CRAIG	1238	
2:46		K1MG	559	CA	MIKE	614	
2:47		N9KW	559	IL	JOHN	1257	
2:50		K1EC	599	CT	CONRAD	990W	
2:51		W9SFF	559	MI	STEVE	1288	
2:53		AF4PS	579	FL	MAC	704	
2:54		WD8KQY	559	OH	GARY	446	
2:55		N1TP	569	FL	TOM	1317	

2:57 W0JOE 559 MO JOE 1901
2:59 N8VAR 559 OH RON 263
3:01 VE3JC 559 ON JOHN 744
3:02 N6WG 559 CA BOB 26
3:03 KI0II 559 CO RON 928
3:05 KI7MN 579 AZ BOB 271
3:05 WE6W 559 CA ED 1068
3:06 N0AR 559 MN SCOTT 1455
3:07 AE2T 599 NY AL 1664
3:08 K1QM 559 MA JOEL 337
3:11 N2ZHY 559 NJ DAVE 2067
3:12 K8CV 559 MI WAYNE 935
3:13 W4UTI 569 AL CARL 1097
3:15 N7GS 559 MT MAL 815
3:16 AF4PP 579 GA CHUCK 1785
3:18 KB9IUA 599 IL KEVIN 384
3:19 NV4V 559 KY PETE 1721
3:20 AA2PFD 559 NY DAVE 306
3:25 NK6A 569 CA D9D 1517
3:26 KU4AF 559 NC JOHN 987
3:27 W7ILW 559 AZ HOWARD 2010
3:28 KC1FB 559 CT JIM 29
3:30 WB0T 449 IA JERRY 449
3:31 KB9BVN 559 IN BRIAN 1540
3:33 NK9G 559 WI RICK 2061
3:37 KS4L 549 AL RANDY 468
3:39 N3YSE 449 PA PAUL 1835
3:41 KR0I 559 MO MAC 1037
3:43 K1VP 559 NH ED 1960
3:48 W2XN 559 FL FRED 1728
3:49 AJ4Y 449 FL PAUL 1795
3:51 N0RC 559 CO ROD 1764
3:55 KA4BM 559 FL JIM 2W
3:57 VE6EWM 579 AB EARL 1076

Tom Whiteside QRP-L 1474
N5TW Georgetown, TX

Date: Thu, 18 Nov 1999 16:34:57 +0000
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@Lehigh.EDU
Cc: benmail@erols.com
Subject: [56289] Info on The CTHA?
Message-ID: <38342AA9.5AAE@erols.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have experience with the Contrawound Toroidal Helical Antenna (CTHA). There is an ad for one on page 166 of the December 1999 QST.

I got some info on this antenna a few years ago from the West Virginia University (WVU) and it looked like a good possibility for a "cliff dweller" ham.

The antenna is suppose to have a near isotropic (equal radiation in all directions) pattern and be able to "...Transmit & Receive while hidden in car trunk..." Sounds ideal for a condo ham like me.

It's a little pricey, i.e., \$289.95 + \$9.95 S&H with the ad. So if anyone has used one let me how it works. Would be especially interested in hearing how it performs inside a modern steel, concrete, brick, and aluminum building.

Thanks -- 72 & 73,

Ben Poinsett, K3BP
Bethesda, MD

Date: Thu, 18 Nov 1999 16:45:40 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56290] OPERATING: The Atomic Clock of woe (long)
Message-ID: <Pine.LNX.4.04.9911181623400.12764-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

File this under lessons learned. :)

I bought one of the atomic clocks in the recent group buy. It came, and I played. In my rush to get it going I stole some AAA batteries from a seldom used remote control, so I wasn't surprised when they only lasted a week. But while it was running, I tried window sills, tops of cabinets, refrigerators, upstairsm downstairs, all to get it to sync. It was spotty at best, sometimes it would sync for few hours, most of the time is just couldn't get a signal. I resigned myself to being to far from WWV and left it at that.

I stopped by the dollar store and picked up a new six pack of AAA's and started the process again. Roughly the same performance, and in about

three days the batteries were dead again! In went the next set, and in a few days my visions of nano-second accuracy were as faded as the LCD on the clock. Out of sheer laziness I left it sit for month without touching it.

Over the weekend I was in a store and decided to pickup some brand spanking new, "use by 2004" duracells and give it one last shot before I tried to see if there was any kind of warranty on the thing. Popped the new batteries in, and wonder of wonders, it lit up (so to speak). So I set it on top the HW-9 figuring I'd chase down a good spot to get WWV a little later. Five minutes later the "tower" stopped blinking and it was still there! Running perfect time! In sysc with the WWV I was listening too on 10MHz! Wow! Cool! What a great toy.

So I decided to check the two "new" batteries I had left over from the dollar store. Drum roll... 0.92 and 1.06V! Dead from new in the package! Well, new to me, I'm sure they had been in several stores over the past few years:) So I guess this is a case of getting what you pay for, in both the batteries and the clock. No more cheap batteries for me, and that clock is going to be in the shack for a long time to come. By the way, I got the fox at 02:22:48Z the other night, not 02:22Z <grin>.

72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@phideaux.com       --  
-- N3XRV      ARRL-VE   Norcal Zombie #163   |       Gaithersburg, MD FM19je   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 18 Nov 1999 17:16:20 -0500
From: david.sarrafa@thermacore.com
To: qrp-l@Lehigh.EDU
Subject: [56291] Coax question
Message-ID: <8525682D.007A045E.00@tci-nt02.thermacore.com>
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While perusing an old Amphenol coax datasheet I noticed that they furnished two different types of cable with a nichrome center conductor. One of them was RG21; the other was, I believe, RG41. Understandably, these both had by far the highest losses of any of the cables listed. Why would one want a cable with a lossy center conductor? The loss was not great enough to use as a dummy load but would certainly be high enough to avoid the cable for general usage.

End of QRP-L Digest 1643
